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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

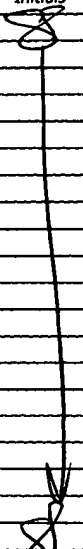
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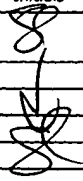
Application Number	To be Assigned
Filing Date	Herewith
First Named Inventor	Kevin K. Lehmann et. al.
Art Unit	Unknown
Examiner Name	Not Yet Assigned
Attorney Docket No.	PRU-103US

SHEET 1 of 4

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (If known)			
		US-1,719,443	07/02/1929	Nitchterlein	Entire Document
		US-3,402,364	09/17/1968	De Lang	Entire Document
		US-3,711,788	01/16/1973	Forkner	Entire Document
		US-3,976,368	08/24/1976	McCann et. al.	Entire Document
		US-3,982,203	09/21/1976	De Wit	Entire Document
		US-4,161,436	07/17/1979	Gould	Entire Document
		US-4,525,034	06/25/1985	Simmons	Entire Document
		US-5,578,793	03/25/1986	Kane et. al.	Entire Document
		US-4,677,639	06/30/1987	Sasser	Entire Document
		US-4,740,986	04/26/1988	Reeder	Entire Document
		US-4,746,210	05/24/1988	Gould	Entire Document
		US-5,026,991	06/25/1991	Goldstein et. al.	Entire Document
		US-5,267,548	01/04/1994	Margalith	Entire Document
		US-5,463,493	10/31/1995	Shah	Entire Document
		US-5,483,342	01/09/1996	Rockwell	Entire Document
		US-5,528,040	06/18/1996	Lehmann	Entire Document
		US-5,532,493	07/02/1996	Hale et. al.	Entire Document
		US-5,835,231	11/10/1998	Pipino	Entire Document
		US-5,912,740	6/15/1999	Zare et. al.	Entire Document
		US-5,973,864	10/26/1999	Lehmann et. al.	Entire Document

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ - Number ⁴ - Kind Code ⁵ (If known)				
		63013386	01/20/1988	Japan (Abstract Only)	Entire Document	<input type="checkbox"/>
		DE19814575	10/07/1999	Germany	Entire Document	<input type="checkbox"/>
		WO93/07469	04/15/1993	PCT	Entire Document	<input type="checkbox"/>
		EP 1195582	04/10/2002	EPO	Entire Document	<input type="checkbox"/>
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Examiner
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Considered

5/30/06

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¹Applicant's unique citation designation number (optional).

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³Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

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Substitute for Form 1449A/PTO

**INFORMATION DISCLOSURE
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SHEET 2 of 4

Complete if Known

Application Number	To be Assigned
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First Named Inventor	Kevin K. Lehmann et. al.
Art Unit	Unknown
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		Number - Kind Code ² (if known)			
		US-6,097,555	08/01/2000	Lehmann et. al.	Entire Document
		US-6,172,823	01/09/2001	Lehmann et. al.	Entire Document
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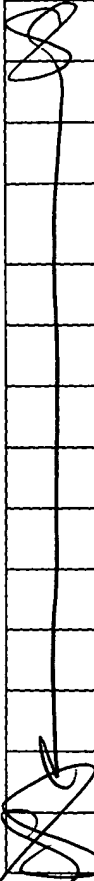

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Substitute for Form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete If Known	
	Application Number	To be Assigned
	Filing Date	Herewith
	First Named Inventor	Kevin K. Lehmann et. al.
	Art Unit	Unknown
	Examiner Name	Not Yet Assigned
SHEET 3 of 4	Attorney Docket No.	PRU-103US

NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		J. White, Long Optical Paths of Large Aperture, 32 <i>J. Opt. Soc. Amer.</i> , 285 (May, 1942).	<input type="checkbox"/>
		D. Herriott et. al., Off-Axis Paths in Spherical Mirror Interferometers, 3 <i>Appl. Opt.</i> (4), 523 (Apr., 1964).	<input type="checkbox"/>
		A. O'Keefe & D. Deacon, Cavity Ring-Down Optical Spectrometer for Absorption Measurements Using Pulsed Laser Sources, 59 <i>Rev. Sci. Instrum.</i> , 2544 (Dec., 1988)	<input type="checkbox"/>
		D. Romanini & K. Lehmann, Ring-down Cavity Absorption Spectroscopy of the Very Weak HCN Overtone Bands with Six, Seven, and Eight Stretching Quanta, 99 <i>J. Chem. Phys.</i> (9), 6286 (Nov. 1, 1993).	<input type="checkbox"/>
		G. Rempe et. al., Measurement of Ultralow losses in an Optical Interferometer, 17 <i>Opt. Letters</i> (5), 363 (Mar. 1, 1992).	<input type="checkbox"/>
		T. Yu & M. Lin, Kinetics of Phenyl Radical Reactions Studied by the "Cavity-Ring-Down" Method, 115 <i>J. Am. Chem. Soc.</i> , 4371 (1993).	<input type="checkbox"/>
		G. Meijer et. al., Coherent Cavity Ring down Spectroscopy, 217 <i>Chemical Physics Letters</i> (1,2), 112 (Jan. 7, 1994).	<input type="checkbox"/>
		J. Scherer et. al., Cavity Ring Down Dye Laser Spectroscopy of Jet-Cooled Metal Clusters: CU ² and CU ³ , 172 <i>Chemical Physics Letters</i> (3,4), 214 (Sep. 7, 1990).	<input type="checkbox"/>
		F. Stoelkel & G. Atkinson, Time Evolution of a Broadband Quasi-cw Dye Laser: Limitation of Sensitivity Intracavity Laser Spectroscopy, 24 <i>Applied Optics</i> (21), 3591 (Nov. 1, 1985).	<input type="checkbox"/>
		K. Lehmann & D. Romanini, Molecules in the Stellar Environment, <i>Experimental Measurements of Weak Band Intensities in Molecules in the Stellar Environment</i> , (Springer, 1994).	<input type="checkbox"/>
		G. Gould et. al., Crossed roof Prism Interferometer, 1 <i>Applied Optics</i> (4), 533 (July 1962).	<input type="checkbox"/>
		A. Pipino et. al., Evanescent Wave Cavity Ring-Down Spectroscopy with a Total-Internal Reflection Minicavity, 68 (8) <i>Rev. Sc., Instrum.</i> , (August 1997).	<input type="checkbox"/>
		Stewart G. Atherton K, Yu H, Culshaw B. "An investigation of an optical fibre amplifier loop for intracavity and ring-down cavity loss measurements." <i>Meas. Sci. Technol.</i> 12: 843-849 (2001).	<input type="checkbox"/>
		Dmitriev AL, Yanson Z, Xinyu M. "Optical-fiber passive ring resonator in a low-mode radiation-propagation regime." <i>J. Opt. Technol.</i> 67:219-221 (2000).	<input type="checkbox"/>
Examiner Signature	S/30/06		Date Considered

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










¹Applicant's unique citation designation number (optional).

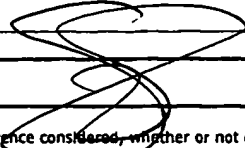
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<p>Substitute for Form 1449B/PTO</p> <p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p style="text-align: center;">(Use as many sheets as necessary)</p>	<p style="text-align: center;">Complete if Known</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td style="width: 50%;">To be Assigned</td> </tr> <tr> <td>Filing Date</td> <td>Herewith</td> </tr> <tr> <td>First Named Inventor</td> <td>Kevin K. Lehmann et. al.</td> </tr> <tr> <td>Art Unit</td> <td>Unknown</td> </tr> <tr> <td>Examiner Name</td> <td>Noy Yet Assigned</td> </tr> <tr> <td>Attorney Docket No.</td> <td>PRU-103US</td> </tr> </table>	Application Number	To be Assigned	Filing Date	Herewith	First Named Inventor	Kevin K. Lehmann et. al.	Art Unit	Unknown	Examiner Name	Noy Yet Assigned	Attorney Docket No.	PRU-103US
Application Number	To be Assigned												
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First Named Inventor	Kevin K. Lehmann et. al.												
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SHEET 4 of 4													

NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		Blair S, Chen Y. "Resonant-enhanced evanescent-wave fluorescence biosensing with cylindrical optical cavities." <i>Applied Optics</i> . 0: 570-582 (2001).	<input type="checkbox"/>
		Littlejohn D, Lucas D, Han L. "Bent Silica Fiber Evanescent Absorption Sensors for near-Infrared Spectroscopy." <i>Applied Spectroscopy</i> . 53: 845-849 (1999).	<input type="checkbox"/>
		Messica A, Greenstein A, Katzir A. "Theory of fiber-optic evanescent-wave spectroscopy and sensors." <i>Applied Optics</i> 35: 2274-2284 (1996).	<input type="checkbox"/>
		Trautmann et. al., "Determination of the Deuterium Abundance in Water Using a CW Chemical DF Laser". <i>Appl. Phys.</i> , 24: No. 1, 49-53 (1981).	<input type="checkbox"/>
		Spammer, S, Swart, P, Boosyen, A. "Interferometric distributed optical-fiber sensor", <i>Applied Optics</i> Vol. 35, No. 22: 4522-4525 (August 1996).	<input type="checkbox"/>
		Boisde G., Harmer A. <i>Chemical and Biological Sensing with Optical Fibers and Waveguides</i> . Boston, MA: Artech House (1996).	<input type="checkbox"/>
		Moar PN, Huntington ST, Katsifolis J, Cahill LW, Roberts A, Nugent KA. "Fabrication, modeling and direct evanescent field measurement of tapered optical fiber sensors." <i>J. appl. Phys.</i> 85: 3395-3398 (1999).	<input type="checkbox"/>
		Zaatar Y, Zaouk D, Bechara J, Khoury A, Uinaress C, Charles JP. "Fabrication and characterization of an evanescent wave fiber optic sensor for air pollution control." <i>Mat. Sci. Eng.</i> B74: 296-298 (2000)	<input type="checkbox"/>
		Lee, SM, Yang C, Pan W. "Evanescent-coupling Fiber Optic Pollution Monitoring System Using Etched D-Shape E-Core Fiber." <i>Proc. SPIE-Int. Soc. Opt. Eng.</i> 2836: 267-274.	<input type="checkbox"/>
		Francisco J. Arregui et. al., "Optical Fiber Strain Gauge Based on a Tapered Single-Mode Fiber," pages 90-96, July 26, 1999, <i>Sensors and Actuators</i> 70 (2000).	<input type="checkbox"/>
		Shankar, PM; Bobb, LC; Krumboltz, HD. "Coupling of modes in bent biconically tapered single-mode fibers." <i>Journal of Lightwave Technology</i> , 9 (7): 832-837 July 1991.	<input type="checkbox"/>
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<p>Examiner Signature </p>	<p>Date Considered <u>5/30/06</u></p>
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(AW 08/03)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete if Known		
	Application Number	10/644,137	
	Filing Date	08/20/2003	
	First Named Inventor	Kevin K. Lehmann	
	Art Unit	2878	
	Examiner Name	Don J. Williams	
SHEET 1 of 2		Attorney Docket No.	PRU-103US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Issue/ Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		US-2003/109055 A1	06/12/2003	Lehmann et al.	
		US-5,637,865 A	06/10/1997	Bullat et al.	
		US-4,725,728 A	02/16/1988	Brininstool et al.	
		US-5,649,035 A	07/15/1997	Zimmerman et al.	
		US-5,636,021 A	06/03/1997	Udd et al.	
		US-2003/007715 A1	01/09/2003	Loock et al.	
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First Named Inventor	Kevin K. Lehmann
Art Unit	2877
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SHEET 1 of 2

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		US-2004/161804 A1	08/19/2004	McCash et al.	
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